

Claims

What is claimed is:

1. A receiver for receiving a radio programming signal broadcast over a cellular transmission network, the receiver comprising:
 - 5 an input for receiving the radio programming signal;
 - an audio output for delivering an audible portion of the radio programming signal; and
 - processor means for processing the radio programming signal.
2. The receiver of claim 1 wherein the processor means comprises
 - 10 an RF module for processing and re-transmitting the radio broadcast signal.
3. The receiver of claim 1 wherein the processor means comprises a digital decoder module for decoding and processing digital signals embedded in the radio programming signal.
4. The receiver of claim 1 wherein the processor means comprises
 - 15 an audio decoder module for decoding and processing audio signals embedded in the radio programming signal.
5. The receiver of claim 1 further comprising a memory means for storing at least a portion of the radio programming signal.
6. The receiver of claim 5 wherein the memory means comprises
 - 20 Random Access Memory (RAM) for buffering data related to the radio programming signal.

7. The receiver of claim 5 wherein the memory means comprises persistent memory for storing data and voice data related to the radio programming signal.

8. The receiver of claim 1 wherein the processor means further
5 comprises a processor for running software and for voice processing.

9. The receiver of claim 1 further comprising software supporting the playback of audio formats such as MP3 and WAV.

10. The receiver of claim 1 further comprising a video output for delivering a video portion of the radio programming signal.

10 11. A method for retransmitting a received radio programming signal, comprising the steps of:

receiving the signal over a cellular transmission network at a first transceiver station; and

transmitting the signal from the first transceiver station to at least a
15 second transceiver station.

12. The method of claim 11 further comprising the step of processing the signal at the first transceiver station prior to retransmitting.

13. The method of claim 11 wherein the second transceiver station comprises a stereo system.

14. The method of claim 11 wherein the second transceiver station comprises a car radio.

15. The method of claim 11 wherein the first transceiver station further comprises an infrared link.

5 16. A system for receiving and transmitting a radio programming signal over a cellular transmission network, comprising:

input means for receiving the radio programming signal;

output means for delivering the radio programming signal;

transmitting means for transmitting the radio programming signal; and

10 processing means for processing the radio programming signal.

17. The system of claim 16 wherein the transmission means comprises an RF module.

18. The system of claim 16 wherein the transmission means comprises an infrared link.

15 19. The system of claim 16 wherein the processor means comprises a processor.

20. The system of claim 16 wherein the processor means further comprises software supporting the playback of audio formats such as MP3 and WAV.